

### Abstract

A color-separating apparatus for a liquid crystal projector of single panel type that is capable of  
5 improving light efficiency and color revival property. In  
the apparatus, a color filter has red, green and blue  
colors formed in a spiral shape. A reflective plate is  
opposed to the color filter to reflect an incident light  
reflected and emitted from the color filter into the color  
10 filter again. Accordingly, a color light is transmitted  
with no light loss.